

Government of India
Ministry of Railways
Research, Designs & Standards Organisation
Manak Nagar, Lucknow - 226 011

No.EL/3.2.1/3/J6
30.4.1985

SPECIAL MAINTENANCE INSTRUCTIONS NO RDSO/ELRS/SMI/122
ADDITIONAL INSULATION OVER TAP LEADS

1. OBJECT

Railways have reported feeling off of the paper insulation on the tap leads and formation of a powdery sludge in the neck portion of the freight loco transformers. To overcome this problem it has been decided to provide additional selvage cotton tape insulation over the paper insulation on the tap leads.

2. INSTRUCTIONS

2.1 Wrap the selvage cotton tape around each of the tap leads upto .25 mm radial thickness over its full length.

2.2 The selvage cotton tape is to be procured as per the following specification.

(i) Governing specification IS: 1923 for "Cotton selvage tape for electrical insulation purposes."

(ii) Nominal thickness $0.125\text{mm} \pm 0.025\text{mm}$.

(iii) Nominal width $20\text{ mm} \pm 1\text{ mm}$.

(iv) Breaking Strength 7.5 kg.

2.3 The selvage cotton tape is to be procured from M/s Kanpur Lathe works, Industrial Area, Habibganj, Bhopal (MP).

3. REFERENCE

Minutes of the meeting held on 4.8.84 at electric loco shed, Kanpur with M/s BHEL on failures and problem of BHEL transformers in electric locomotives. and M/s BHEL's letter No.TRE/538 dt.29.3.85.

4. PERIODICITY

To be precise at the time of POH of the transformer/at the time of a repair.

5. **INSTRUCTION DRAWING :**

NIL.

6. **APPLICATION OF CLASS OF LOCOMOTIVES**

All ac Electric locomotives.

7. **AGENCY OF IMPLEMENTAION**

All the Electric loco sheds and workshops holding ac locomotives.

8. **DISTRIBUTION**

As per list enclosed.



(M.M.PRAKASAM)
for Director general (Elect.)